

CLAIMS

What is claimed is:

1. A remote docking station apparatus comprising:
  - 5 a remote docking station body,
  - a power converter contained within said remote docking station body,  
wherein said power converter has an input side and an output side,  
an externally accessible power input connector interface, said power  
input connector interface configured to connect to a power input cable and is in  
10 electrical communication with said input side of said power converter,  
at least one externally accessible peripheral connector interface,  
an externally accessible output connector interface, wherein said  
output connector interface is in electrical communication with said output side of said  
power converter and is in electrical communication with each of said at least one  
15 peripheral connector interface; and  
a multipurpose interface cable configured to connect said output  
connector interface to a computer.
2. The remote docking station of claim 1, wherein said computer  
20 is a portable computer.
3. The remote docking station of claim 1, wherein said power  
input cable comprises:

a first power input cable end configured to connect to a power supply source; and

a second power input cable end configured to connect to said power input connector interface.

5

4. The remote docking station of claim 3, wherein said first power input cable end is configured to connect to a standard electrical socket.

5. The remote docking station of claim 3, wherein said first power  
10 input cable end is configured to connect to an automotive power supply socket.

6. The remote docking station of claim 1, wherein said power converter comprises:

means for selecting a power output level,  
15 said selecting means being externally accessible to said remote docking station body.

7. The remote docking station of claim 1, wherein said power converter comprises an AC to DC power converter.

20

8. The remote docking station of claim 7, wherein said AC to DC power converter further comprises:

means for selecting a DC power output level,  
said selecting means being externally accessible to said remote  
docking station body.

5           9.       The remote docking station of claim 1, wherein said power  
converter comprises a DC to DC power converter.

10          10.      The remote docking station of claim 9, wherein said DC to DC  
power converter further comprises:

10          means for selecting a DC power output level,  
said selecting means being externally accessible to said remote  
docking station body.

15          11.      The remote docking station of claim 1, wherein said  
multipurpose interface cable comprises:  
  
              a first multipurpose interface cable end configured to connect to said  
output connector interface, and  
  
              a second multipurpose interface cable end configured to connect to  
said computer.

20

12. The remote docking station of claim 11, wherein said second multipurpose interface cable end is configured to connect to said computer via a single multipurpose connection interface.

5 13. The remote docking station of claim 11, wherein said second multipurpose interface cable end is configured to connect to said computer via a plurality of conventional connection interfaces.

10 14. The remote docking station of claim 11, wherein said second multipurpose interface cable end comprises at least one auxiliary input interface configured to receive an input signal and transmit said input signal to said computer.

15 15. The remote docking station of claim 1, wherein said multipurpose interface cable comprises electromagnetic interference shielding configured to prevent electromagnetic interference from affecting electric signals in said multipurpose interface cable.

20 16. The remote docking station of claim 1, further comprising electromagnetic interference shielding inside said docking station body configured to prevent electromagnetic interference from affecting electric signals in said docking station body.

17. The remote docking station of claim 1, wherein said at least one peripheral connector interface is configured to receive a network input.

18. The remote docking station of claim 1, wherein said at least 5 one peripheral connector interface is configured to receive a modem input.

19. The remote docking station of claim 1, wherein said at least one peripheral connector interface is configured to receive a serial input.

10 20. The remote docking station of claim 1, wherein said at least one peripheral connector interface is configured to receive a parallel input.

21. The remote docking station of claim 1, wherein said at least one peripheral connector interface is configured to receive a USB input.

15 22. The remote docking station of claim 1, wherein said at least one peripheral connector interface is configured to receive a PS2 input.

23. The remote docking station of claim 1, wherein said at least 20 one peripheral connector interface is configured to receive a IEEE 1394 input.

24. The remote docking station of claim 1, wherein said at least

one peripheral connector interface is configured to receive a video input.

25. The remote docking station of claim 1, wherein said at least one peripheral connector interface is configured to receive an audio input.

5

26. The remote docking station of claim 1, wherein said at least one peripheral connector interface is configured to receive a video output.

27. The remote docking station of claim 1, wherein said at least one peripheral connector interface is configured to receive an audio output.

10